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Bohr-Rogosinski phenomena in complex Banach spaces

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Abstract

In this talk, we investigate the Bohr-Rogosinski radius for holomorphic mappings on the unit ball of a complex Banach space with values in a higher dimensional complex Banach space.

This is a joint work with Hidetaka Hamada and Mirela Kohr [1]. Also, it's partially supported by JSPS KAKENHI Grant Number 23K03136.

References

[1] H. Hamada, T. Honda, M. Kohr, Bohr-Rogosinski radius for holomorphic mappings with values in higher dimensional complex Banach spaces, Anal. Math. Phys., Volume 15, article number 64, (2025), 19 pp.